TENT COOPERATION TREATY

FC'D 18 FEB 2005 WIPO PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

05 JUL 2005

Applicant's or agent's file reference		EOD EUDERTED AC	TION		
LA-7353-101.PC		FOR FURTHER ACTION		See Form PCT/IPEA/416	
		International filing date (day/month/year)	Priority date (day/month/year)	
	PCT/US04/01468		2004)	21 January 2003 (21.01.2003)	
		or national classification ar	d IPC		
IPC(7): A61K 38 Applicant	/00 and US Cl.: 514/12	<u>, </u>			
1					
	PHARMACEUTICAL				
 This report is the international preliminary examination report, established by this International Prelimina Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 				eccording to Article 36.	
2. This	REPORT consists of	a total of 4 sheets, inc	luding this cover shee	et.	
3. This report is also accompanied by ANNEXES, comprising:					
a. [sent to the applica	nt and to the Internation	al Bureau) a total of	sheets, as follows:	
	sheets of the	description, claims and	or drawings which h	ave been amended and are the basis	
	of this repor	t and/or sheets containi	ng rectifications auth	horized by this Authority (see Rule	
		ction 607 of the Adminis	•		
	amendment	that goes beyond the	disclosure in the in	is Authority considers contain an ternational application as filed, as	
	indicated in i	tem 4 of Box No. I and	the Supplemental Box	K.	
Ъ. 🗌				dicate type and number of electronic	
carrier(s))	carrier(s))				
	, containing	g a sequence listing and/	or tables related there	eto, in computer readable form only, e Listing (see Section 802 of the	
	Administrative In	structions).	Relating to Sequenc	e Listing (see Section 802 of the	
4. This	· · · · · · · · · · · · · · · · · · ·				
	N				
	_	sis of the report			
	Box No. II Pr	iority			
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial				
applicability Box No. IV Lack of unity of invention					
		•			
Box No. V Reasoned statement under Article 35(2) with regard industrial applicability; citations and explanations support			regard to novelty, inventive step or		
	Box No. VI Certain documents cited				
	Box No. VII Ce	rtain defects in the inter	national application		
	Box No. VIII Certain observations on the international application			ition .	
Date of submissi	on of the demand		Date of completion	of this report	
22 July 2004 (22.07.2004)			21 January 2005 (21.0		
	address of the IPEA/ U	JS	Authorized officer		
	PCT, Attn: IPEA/US	4	Maury Audet		
P.O. Box	Commissioner for Patents P.O. Box 1450				
Facsimile No. (70)	a, Virginia 223 13-1450 3) 305-3230		Telephone No. 572-2	72-0960	
Form PCT/IPFA/409 (cover sheet)/Jameser 2004)					

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REPORT	ON	PA	TENT	'A RIT	THE

International appl	No.
PCT/US04/01468	

Bo	N X	D. I	Basis of the report
1.	Wit	ı, ш <u>п</u> с	rd to the language, this report is based on the international application in the language in which it was so otherwise indicated under this item.
	Ш	This whic	report is based on translations from the original language into the following language, h is the language of a translation furnished for the purposes of:
			international search (under Rules 12.3 and 23.1(b))
			publication of the international application (under Rule 12.4)
			international preliminary examination (under Rules 55.2 and/or 55.3)
	,,	*********	ed to the elements of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" annexed to this report):
	\boxtimes	the in	aternational application as originally filed/furnished
	\boxtimes		escription:
			as originally filed/furnished
			* NONE received by this Authority on
		pages	* NONE received by this Authority on
	\boxtimes	the cl	aims:
			28-30 as originally filed/furnished
			* NONE as amended (together with any statement) under Article 19
			* NONE received by this Authority on
		pages	* NONE received by this Authority on
	X	the di	rawings:
			1-5 as originally filed/furnished
		pages	* NONE received by this Authority on
		pages	* NONE received by this Authority on
	\boxtimes	a sequ	nence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3.	\boxtimes	The a	mendments have resulted in the cancellation of:
		\boxtimes	the description, pages NONE
		\boxtimes	the claims, Nos_NONE
			the drawings, sheets/figs NONE
		\boxtimes	the sequence listing (specify): NONE
		\boxtimes	any table(s) related to the sequence listing (specify): NONE
4. [This re	port has been established as if (some of) the amendments annexed to this report and listed below had not been made, hey have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
		П	the description, pages.
			the claims, Nos
			the drawings, sheets/figs
			the sequence listing (specify):
			any table(s) related to the sequence listing (specify):
* <i>If</i>	item	4 аррі	lies, some or all of those sheets may be marked "superseded."



International application No. PCT/US04/01468

<u> </u>			
Box No. V Reasoned statement under Article 3 applicability; citations and explanate	85(2) wit tions sup	th regard to novelty, inventive step or industrial pporting such statement	
1. Statement			
Novelty (N)	Claims	s <u>1-31</u> YE	S
		NONE NO	
Inventive Step (IS)	Claims	s <u>1-31</u> YE	S
		NONE NO	
Industrial Applicability (IA)	Claims	s <u>1-31</u> YE	S
	Claims	NONE NO	
2. Citations and Explanations (Rule 70.7)			
SEQ ID NOS: 4-7 (also fragments/analogues of SEQ ID I therewith, are novel under PCT Article 33(2). A sequence reasonably teaches (or suggests) any of the peptides, com 6,309,877 B1 and US Publication US 2002/0086831 A1 percent identical/conservatively substituted fragments/ana 1 peptide analgoues (and dependencies including all the li Claims 1-31, as drawn to the invention above, thus also is obvious (routine optimization for one of ordinary skill in in view of the teachings of Applicant's previous US 6,309	NO: 1), a ce search positions generally dogues wi mitations nvolves a the art) to 9,877 Bi	aich it depends, i.e. would have to be analogues of SEQ ID NO: 2 as well as methods of using any these peptides or compositions at of SEQ ID NOS: 1-7, did not find that the prior art of record at therewith, or methods using either. Only Applicant's own US yeach SEQ ID NO: 1 (recited therein as SEQ ID NO: 4) and which do not (teach or reasonably suggest) the presently claimed of sof claim 1), or compositions, or methods of using such. an inventive step under PCT Article 33(3). It would not have been have arrive at the subject matter claimed in the present invention or US 2002/0086831. since the peptides and compositions thereof may be used in a variation of the present invention of the peptides and compositions thereof may be used in a variation of the peptides and compositions thereof may be used in a variation of the peptides and compositions thereof may be used in a variation of the peptides and compositions thereof may be used in a variation of the peptides and compositions thereof may be used in a variation of the peptides and compositions thereof may be used in a variation of the peptides and compositions thereof may be used in a variation of the peptides and compositions thereof may be used in a variation of the peptides and compositions thereof may be used in a variation of the peptides and compositions thereof may be used in a variation of the peptides and the peptides of t	lain en on,

Form PCT/IPEA/409 (Box No. V) (January 2004)



International application No.
PCT/US04/01468

Supplemental Box Relating to Sequence Listing			
Continuation of Box No. I, item 2:			
1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion was established on the basis of:			
a. type of material			
a sequence listing			
table(s) related to the sequence listing			
b. format of material			
in written format			
in computer readable form			
c. time of filing/furnishing			
contained in the international application as filed			
filed together with the international application in computer readable form			
furnished subsequently to this Authority for the purposes of search and/or examination			
received by this Authority as an amendment* on			
2. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
3. Additional comments:			
* If item 4 in Box No. I applies, the listing and/or table(s) related thereto, which form part of the basis of the report, may be marked "superseded."			